

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/50946

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C10G45/62 C10G45/64 C10G65/12 C10M171/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C10G C10M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, COMPENDEX, EMBASE, FSTA, INSPEC, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/29511 A (DARNANVILLE JEAN PAUL ;DUPREY ERIC (FR); CREYGHTON EDWARD JULIUS () 25 May 2000 (2000-05-25) page 3, line 4 - page 7, line 30; claims 1,3,4,7-9; example 13; tables	1-21
A	EP 0 575 077 A (MOBIL OIL CORP) 22 December 1993 (1993-12-22) page 3, line 27 - line 30; table 7	1-21
A	EP 0 776 959 A (SHELL INT RESEARCH) 4 June 1997 (1997-06-04) abstract column 3, line 43 - line 54 column 5, line 16 - line 51	1-21
-/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *B* document member of the same patent family

Date of the actual completion of the international search

29 April 2004

Date of mailing of the international search report

10/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Deurinck, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50946

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 02/086025 A (COLLIN MARC ;DUPREY ERIC (FR); SHELL INT RESEARCH (NL)) 31 October 2002 (2002-10-31) page 6, line 3 - line 29; claims page 11, line 14 - page 12, line 31 -----</p>	1-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/50946

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0029511	A	25-05-2000	AU 754266 B2	07-11-2002
			AU 1859400 A	05-06-2000
			CA 2350581 A1	25-05-2000
			CN 1330699 T	09-01-2002
			WO 0029511 A1	25-05-2000
			EP 1137741 A1	04-10-2001
			HU 0104314 A2	28-03-2002
			JP 2002530470 T	17-09-2002
			PL 348352 A1	20-05-2002
			US 6576120 B1	10-06-2003
			ZA 200103926 A	25-07-2002
			AU 7911100 A	30-04-2001
			CA 2385278 A1	05-04-2001
			CN 1376089 T	23-10-2002
			WO 0123089 A1	05-04-2001
			EP 1218103 A1	03-07-2002
			JP 2003510181 T	18-03-2003
			US 6709570 B1	23-03-2004
			ZA 200202368 A	14-10-2002
EP 0575077	A	22-12-1993	SG 45043 A1	19-12-1997
			US 5358628 A	25-10-1994
			AU 656471 B2	02-02-1995
			CA 2097093 A1	16-12-1993
			EP 0575077 A1	22-12-1993
			JP 6065584 A	08-03-1994
			AU 3990693 A	16-12-1993
EP 0776959	A	04-06-1997	EP 0776959 A2	04-06-1997
			EP 1365005 A1	26-11-2003
			AU 705415 B2	20-05-1999
			AU 7198896 A	05-06-1997
			CA 2191290 A1	29-05-1997
			CN 1167811 A ,B	17-12-1997
			JP 9221685 A	26-08-1997
			SG 74001 A1	18-07-2000
			TW 416981 B	01-01-2001
			ZA 9609906 A	28-05-1997
WO 02086025	A	31-10-2002	CA 2444575 A1	31-10-2002
			WO 02086025 A1	31-10-2002
			EP 1379612 A1	14-01-2004
			US 2004065587 A1	08-04-2004